

(a) a portable battery powered utilization device for operating from battery power during portable operation thereof, said utilization device having a first plurality of conductors and a device processor; and

(b) a removable battery pack having memory, a battery processor, and a second plurality of conductors, said utilization device adapted to receive said removable battery pack in an assembled relationship wherein the first and second plurality of conductors contact to provide at least power and communication paths between said removable battery pack and said utilization device for supplying operating power and battery data from said removable battery pack to said utilization device, said removable battery pack and said utilization device together being of size and weight to be carried by an individual person.

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[Redacted]  
Please add the following claims 11-15:

6. A battery powered electronic system comprising:

(a) a portable battery powered utilization device having a first plurality of conductors and a device processor; and

(b) a removable battery pack having a battery processor and a second plurality of conductors, said utilization device adapted to receive said removable battery pack in an assembled relationship wherein the first and second plurality of conductors contact to provide at least a power path between said removable battery pack and said utilization device and a communication path between said battery processor and said device processor, said utilization device receiving operating power for portable operation and battery data from said removable

battery pack via said power and communication paths, said removable battery pack and said utilization device together being of size and weight to be carried by an individual person.

7. 12. The battery powered electronic system of claim 9 wherein the removable battery pack further comprises a printed circuit board and a plurality of electrochemical cells operatively coupled to the printed circuit board.

8. 13. The battery powered electronic system of claim 11 wherein the removable battery pack further comprises a memory device.

9. 14. The battery powered electronic system of claim 12 wherein the removable battery pack further comprises a memory device, and wherein the memory device is operatively coupled with the printed circuit board.

E2 16. A battery powered electronic system comprising:

- (a) a portable battery powered utilization device having a first plurality of conductors and a device processor; and
- (b) a removable battery pack having memory, a battery processor, a second plurality of conductors, and a plurality of electrochemical cells, at least one of said plurality of electrochemical cells providing operating power to said memory and said battery processor, said utilization device receiving said removable battery pack in an assembled relationship wherein the second plurality of conductors contact the first plurality of conductors thereby operatively coupling the plurality of electrochemical cells with the utilization device for supplying operating power thereto, and thereby communicatively coupling at least one of the memory and the battery processor with the device processor for supplying battery data thereto,

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